



Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Page 1 of 10	Application No.	10/053,340
	Filed	10/22/2001
	First Inventor	Ware, Frederick A.
	Art Unit	2187
	Examiner	Nguyen, Than Vinh
	Atty. Docket No.	RBS2.P049

U.S. Patent Documents					
Examiner Initials*	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication	Relevant Pages, Columns, Lines
	Number	Kind			
/TN/	2004/0003194		Bodas et al.	1/1/2004	
	2004-0170072	A1	Ware, Frederick et al.	9/2/2004	
	2005-0169097		Ware, Frederick et al.	3/31/2005	
	2006-0007761	A1	Ware, Frederick et al.	1/12/2006	
	2006-0039174	A1	Ware, Frederick et al.	2/23/2006	
	2006-0056244	A1	Ware, Frederick et al.	3/16/2006	
	2006-0069895	A1	Ware, Frederick et al.	3/30/2006	
	2006-0077731	A1	Ware, Frederick et al.	4/13/2006	
	2006-0129776	A1	Ware, Frederick et al.	6/15/2006	
	3,950,735		Patel	4/13/1976	
	4,183,095		Ward	1/8/1980	
	4,315,308		Jackson	2/9/1982	
	4,330,852		Redwine et al.	5/18/1982	
	4,337,523		Hotta et al.	6/29/1982	
	4,445,204		Nishiguchi	4/24/1984	
	4,499,536		Gemma et al.	2/12/1985	
	4,567,545		Mettler, Jr.	1/28/1986	
	4,637,018		Flora et al.	1/13/1987	
	4,646,270		Voss	2/24/1987	
	4,712,190		Guglielmi et al.	12/8/1987	
	4,719,602		Hag et al.	1/12/1988	
	4,755,937		Glier	7/5/1988	
	4,763,249		Bomba et al.	8/9/1988	
/TN/	4,792,926		Roberts	12/20/1988	

Examiner Signature	/Than Nguyen/	Date Considered	03/21/2007
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	Number	Kind			
/TN/	4,792,929		Olson et al.	12/20/1988	
	4,799,199		Scales III et al.	1/17/1989	
	4,800,530		Itoh et al.	1/24/1989	
	4,821,226		Christopher et al.	4/11/1989	
	4,825,411		Hamano	4/25/1989	
	4,845,664		Aichelmann, Jr. et al.	7/4/1989	
	4,845,677		Chappell et al.	7/4/1989	
	4,849,937		Yoshimoto	7/18/1989	
	4,866,675		Kawashima	9/12/1989	
	4,875,192		Crisp et al.	9/12/1989	
	4,882,712		Sakurai	9/12/1989	
	4,891,791		Pinkham et al.	9/12/1989	
	4,916,670		Chambers	9/12/1989	
	4,920,483		Scherbatskoy	9/12/1989	
	4,928,265		Higuchi et al.	5/22/1990	
	4,937,734		Bechtolsheim	6/26/1990	
	4,945,516		Kashiyama	7/31/1990	
	4,953,128		Kawai et al.	8/26/1990	
	5,001,672		Ebbers et al.	3/19/1991	
	5,077,693		Hardee et al.	12/31/1991	
	5,083,296		Hara et al.	1/21/1992	
✓	5,111,386		Fujishima et al.	5/5/1992	
	5,117,389		Yiu	5/26/1992	
/TN/	5,124,589		Shlomi et al.	6/23/1992	

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	Number	Kind			
/TN/	5,140,688		White et al.	8/18/1992	
↓	5,179,687		Hidaka et al.	1/12/1993	
	5,260,905		Mori	11/9/1993	
	5,276,858		Oak et al.	1/4/1994	
	5,301,278		Bowater et al.	4/5/1994	
	5,305,278		Inoue	4/19/1994	
	5,311,483		Takasugi	5/10/1994	
	5,319,755		Farmwald et al.	6/7/1994	
	5,323,358		Toda et al.	6/21/1994	
	5,327,390		Takasugi	7/5/1994	
	5,339,276		Takasugi	8/16/1994	
	5,341,341		Fukuzo	8/23/1994	
	5,345,573		Bowden, III et al.	9/6/1994	
	5,365,489		Jeong	11/15/1994	
	5,379,438		Bell et al.	1/3/1995	
	5,381,376		Kim et al.	1/10/1995	
	5,381,538		Amini et al.	1/10/1995	
	5,384,745		Konishi et al.	1/24/1995	
	5,386,385		Stephens et al.	1/31/1995	
	5,390,149		Vogley et al.	2/14/1995	
	5,392,239		Margulis et al.	2/21/1995	
↓	5,404,338		Murai et al.	4/4/1995	
	5,404,463		McGarvey	4/4/1995	
/TN/	5,444,667		Obara	8/22/1995	

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	Number	Kind			
/TN/	5,455,803		Kodama	10/3/1995	
	5,504,874		Galles et al.	4/2/1996	
	5,511,024		Ware et al.	4/23/1996	
	5,533,204		Tipley	7/2/1996	
	5,548,786		Amini et al.	8/20/1996	
	5,553,248		Melo et al.	9/3/1996	
	5,578,940		Dillon et al.	11/26/1996	
	5,611,058		Moore et al.	3/11/1997	
	5,638,531		Crump et al.	6/10/1997	
	5,649,161		Andrade et al.	7/15/1997	
	5,655,113		Leung et al.	8/5/1997	
	5,663,661		Dillon et al.	9/2/1997	
	5,680,361		Ware et al.	10/21/1997	
	5,708,297		Clayton	1/13/1998	
	5,748,914		Barth et al.	5/5/1998	
	5,764,963		Ware et al.	6/9/1998	
	5,844,855		Ware et al.	12/1/1998	
	5,892,981	A	Wiggers et al.	4/6/1999	
	5,928,343		Farmwald et al.	7/27/1999	
	5,933,379		Park et al.	8/1/1999	
	5,943,573		Wen	8/24/1999	
↓	5,952,691		Yamaguchi	9/14/1999	
	5,987,576		Johnson et al.	11/1/1999	
/TN/	6,005,776		Holman et al.	12/21/1999	

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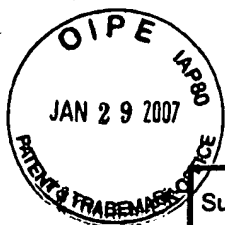


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	Number	Kind			
/TN/	6,034,878		Osaka et al.	3/7/2000	
	6,049,467		Tamarkin et al.	4/11/2000	
	6,065,092		Roy	5/16/2000	
	6,067,594		Perino et al.	5/23/2000	
	6,075,730		Barth et al.	6/13/2000	
	6,111,757		Dell et al.	8/29/2000	
	6,125,419		Umemura et al.	9/26/2000	
	6,154,417		Kim et al.	11/28/2000	
	6,154,821		Barth et al.	11/28/2000	
	6,160,754		Suh et al.	12/12/2000	
	6,172,895	B1	Brown et al.	1/9/2001	
	6,185,644	B1	Farmwald et al.	2/6/2001	
	6,233,157	B1	Yoon et al.	5/15/2001	
	6,253,266	B1	Ohanian	6/26/2001	
	6,260,097		Farmwald et al.	7/10/2001	
	6,266,285		Farmwald et al.	7/24/2001	
	6,266,730	B1	Perino et al.	7/24/2001	
	6,266,737		Ware et al.	7/24/2001	
	6,292,877	B1	Ryan	9/18/2001	
	6,304,937		Farmwald et al.	10/16/2001	
	6,314,051		Farmwald et al.	11/6/2001	
	6,321,282	B1	Horowitz et al.	11/20/2001	
	6,343,352		Davis et al.	1/29/2002	
/TN/	6,359,815		Sato et al.	3/1/2002	

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	Number	Kind			
/TN/	6,388,886	B1	Tobita	5/14/2002	
	6,401,167		Barth et al.	6/4/2002	
	6,449,159	B1	Haba	9/10/2002	
	6,477,592	B1	Chen et al.	11/5/2002	
	6,493,789		Ware et al.	12/10/2002	
	6,496,897		Ware et al.	12/17/2002	
	6,502,161	B1	Perego et al.	12/31/2002	
	6,510,503		Gillingham et al.	1/1/2003	
	6,516,365	B2	Horowitz et al.	2/4/2003	
	6,526,469	B1	Drehmel et al.	2/25/2003	
	6,545,875	B1	Perino et al.	4/8/2003	
	6,590,781	B2	Kollipara et al.	7/8/2003	
	6,640,292		Barth et al.	10/28/2003	
	6,643,752	B1	Donnelly et al.	11/4/2003	
	6,643,787	B1	Zerbe et al.	11/4/2003	
	6,646,953		Stark	11/1/2003	
	6,657,871	B2	Perino et al.	12/2/2003	
	6,675,272		Ware, Frederick et al.	1/6/2004	
	6,680,866		Kajimoto	1/20/2004	
	6,681,288		Ware et al.	1/20/2004	
	6,684,263	B2	Horowitz et al.	1/27/2004	
	6,765,800	B2	Haba et al.	7/20/2004	
↓	6,833,984	B1	Belgacem	12/21/2004	
/TN/	6,839,266	B1	Garrett, Jr. et al.	1/4/2005	

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U.S. Patent Documents					
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	Number	Kind			
/TN/	6,853,557	B1	Haba et al.	2/8/2005	
↓	6,873,939	B1	Zerbe et al.	3/29/2005	
↓	6,898,085	B2	Haba et al.	5/24/2005	
↓	6,912,680		Keeth, Brent	6/1/2005	
/TN/	6,950,956	B2	Zerbe et al.	9/27/2005	

Foreign Patent Documents						
Examiner Initials*	Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication	Relevant Pages, Columns, Lines	Translation
	Number	Kind				
/TN/	EP0 379 772			8/1/1990		
↓	EP0 709 786			5/1/1996		
↓	EP0735492			10/2/1996		
↓	WO00/54164			9/14/2000		
↓	WO99/41667			8/19/1999		
/TN/	WO99/50852			10/7/1999		

Non Patent Literature Documents		
Examiner Initials	Name of Author, Title of Item, Date, Page(s), Volume-Issue Number(s), Publisher, City and/or Country where Published	Translation
/TN/	Changsik Yoo, DRAM Design 3, Samsung Electronics, High Speed DRAM Interface, 35 pages.	
/TN/	Crisp, Richard "Direct Rambus Technology: The New Main-Memory Standard," IEEE Micro, November/December 1997, 0272-1732/97.	

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/TN/	European Search Report and Written Opinion in European Patent Application 02009032.0-2212-, search completed June 27, 2005 (27.06.05), 9 pgs.	
	European Search Report and Written Opinion for EP 1 653374 A3 (Application number 05022021.9) , July 26, 2006 (26.07.06), 6 pgs.	
	IBM, 184 Pin DIMM Design Updates/Ramifications for Unbuffered and Registered DDR DIMMs, JC-42.5, Dec. 1999, pgs. 1-12.	
	IBM, Corp., Application Note, Direct Rambus Memory System Overview, March 30, 1998, pgs. 1-5.	
	IBM, Micron Technology, and Reliance Computer Corporation, DDR SDRAM Registered DIMM Design Specification, Revision 0.6, November 1999, 62 pages.	
	IEEE Draft Standard for a High-Speed Memory Interface (SyncLink), IEEE Draft 0.99 IEEE P 1596.7-199X, 1996, 66 pages.	
	IEEE Standard for Scalable Coherent Interface (SCI), IEEE Std 1596-1992, 270 pages.	
↓	International Search Report and Written Opinion of the International Searching Authority in International Application PCT/US2005/032346, ISA European Patent Office, April 18, 2006 (18/04/2006), 12 pgs.	
/TN/	John Poulton, Signaling in High-Performance Memory Systems, ISSCC 1999, slides 1-59 on 30 pages.	

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/TN/	Lluis Paris, et al., WP 24.3 A 800MB/s 72 Mb SDRAM with Digitally-Calibrated DLL, 1999 IEEE International Solid-State Circuits Conference, 0-7803-5129-0/99, 10 pages.	
	Mike Seibert, DRAM Memory Enabling, Micron Technology, Inc., Competitive DDR Memory Sub-systems, Platform Conference, July 18 - 19, 2000, 67 pages.	
	Peter Gillingham, MOSAID Technologies and Bill Vogley, Texas Instruments, SDRAM: High-Performance, Open-Standard Memory, IEEE Micro, November/December 1997, pgs. 29-39.	
	Peter Gillingham, MOSAID Technologies, Inc. SDRAM Architectural and Functional Overview, SDRAM Consortium, August 29, 1997, 13 pages.	
	Rambus, Inc. Data Sheet "Direct RDRAM 256/288-Mbit (1Mx16/18x16d)" Preliminary Information, Document DL00105 Version 1.1, 72 pages.	
	Rambus, Inc. Data Sheet, Preliminary Information, 8/9-Mbit (1M x 8/9) and 16/18-Mbit (2M x 8/9) RDRAM, March 1996, pgs. 1-30.	
	Rambus, Inc. Direct RAC Data Sheet, Advance Information, August 7, 1998, pgs. 1-47.	
↓	Rambus, Inc., Direct Rambus Short Channel Layout Guide, Version 0.8, March 2000, 33 pages.	
/TN/	Rambus, Inc., Rambus RIMM Connector, Document DL 0069 Version 1.01, July 1999, 14 pages.	

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/TN/	Rambus, Inc., Rambus SO-RIMM Module (with 128/144Mb RDRAMs), Advance Information, Document DL0076 Version 0.7, February 2000, pgs. 1-12.	
	Rambus, Inc., Rambus RIMM Module (with 64/72Mb RDRAMs) Data Sheet, Preliminary Information, Document DL0078 Version 0.90, March 1999, pages 1-11.	
	Samsung Electronics, SDRAM Module, Preliminary KMM377S1620CT2, Rev. 1, Nov. 1998, 12 pages.	
	SLDRAM Inc., 4M x 18 SDRAM, Draft/Advance, July 9, 1998, pgs. 1-69.	
	Wong, D., et al., "Inserting Active Delay Elements to Achieve Wave Pipelining," IEEE 1989, pgs. 270-273.	
	Y.R. Kim, Memory Product Planning and Application, Samsung Electronics, DDR, Today and Tomorrow, Platform Conference, July 18 - 19, 2000, 26 pages.	
/TN/	Yasunobu Nakase, et al., Source-Synchronization and Timing Vernier Techniques for 1.2-GB/s SDRAM Interface, IEEE Journal of Solid-State Circuits, Vol. 34, No. 4, April 1999, pgs. 494-501.	

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